

001544-092498

fig 1  
Jim Cuth  
8/10/98

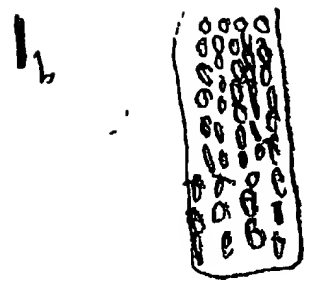
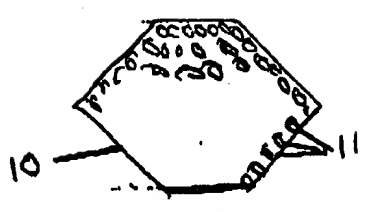


fig 2

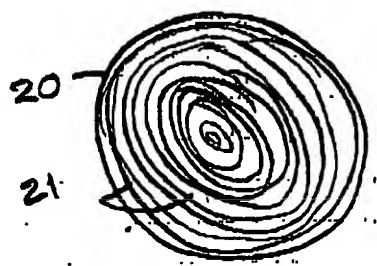


fig 2A

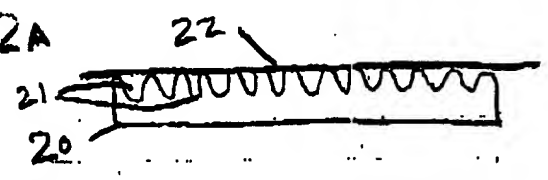


fig 3



fig 3a



fig 4

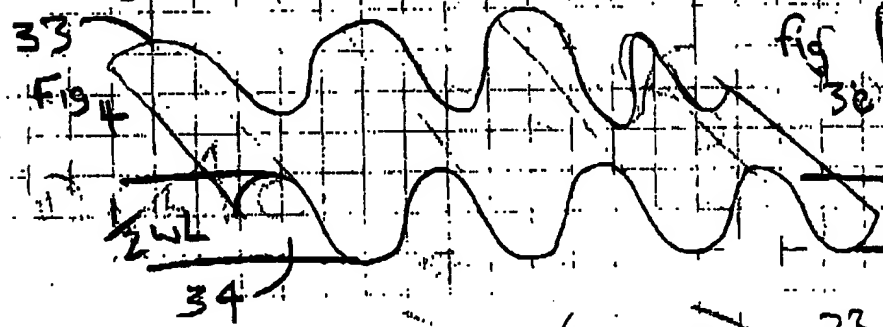
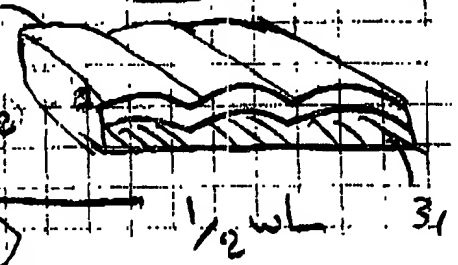


fig 3b



4a

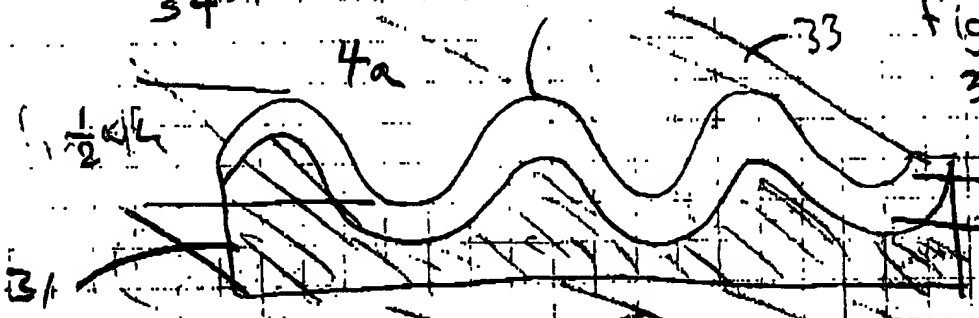


fig 3b

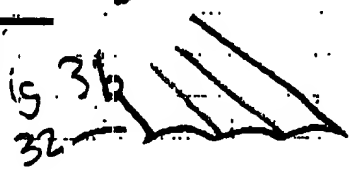
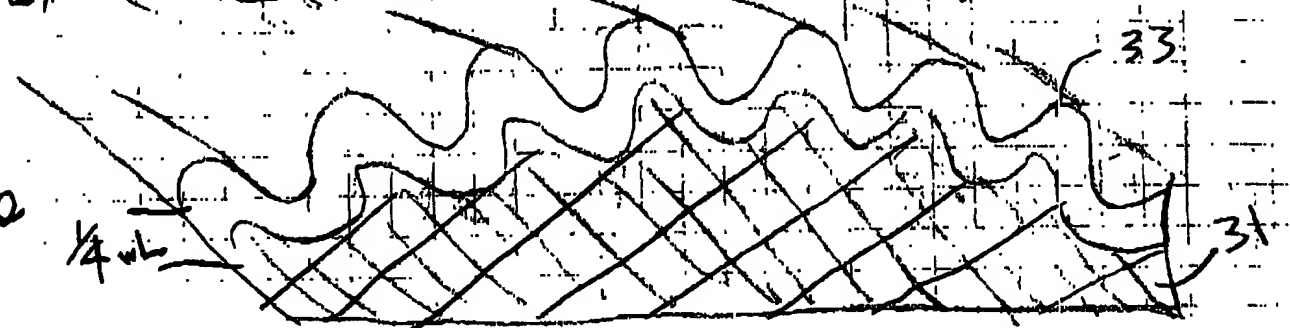


fig 4b



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Fig 3

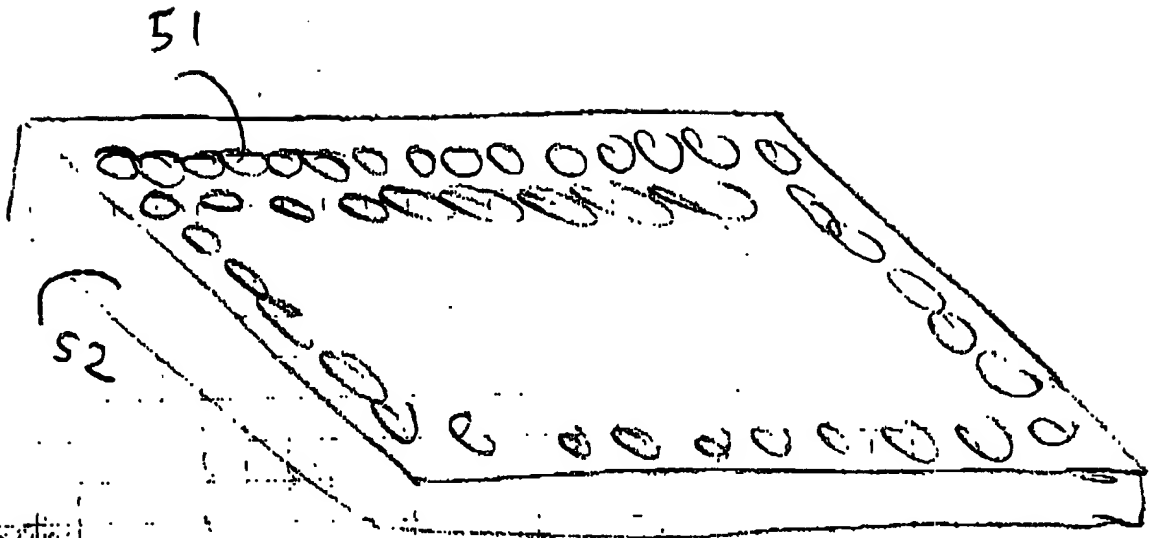


Fig 4a

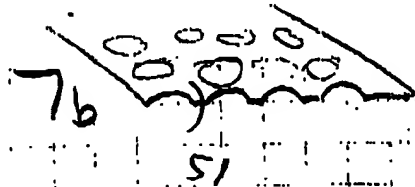
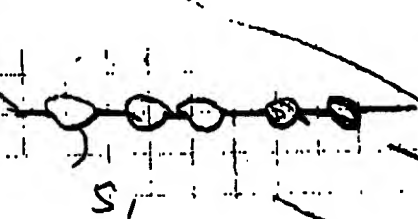
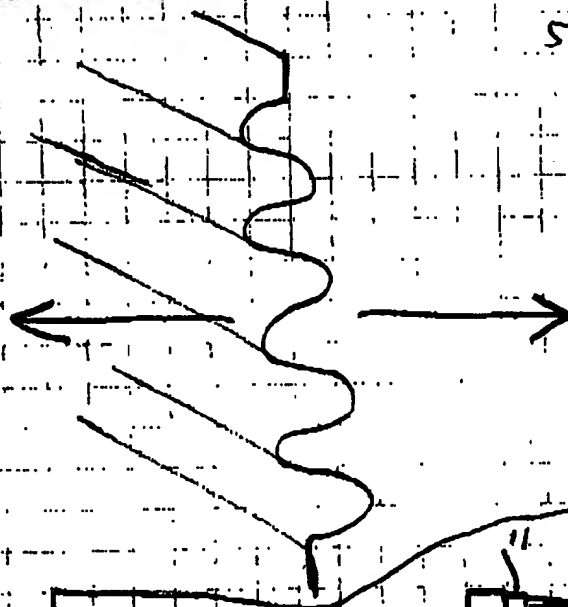


Fig 4c



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8/10/98

Fig 1c

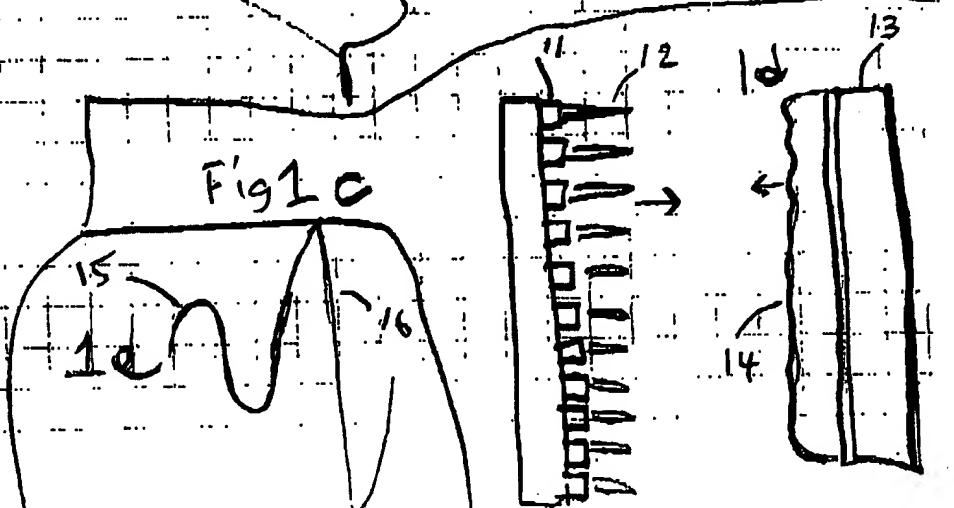
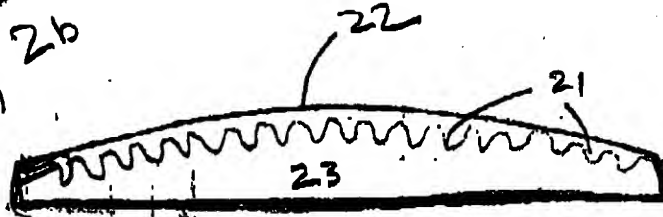
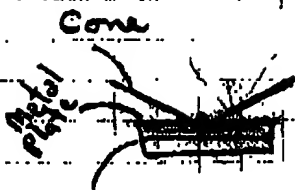


Fig 2b



curved Eel backbone



Piezo  
bi-morph or bender

Ceramic Piezo material

Non conductive clamps